

# Review of Minimum Equipment Standards

## Presentation to SIEC

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January, 2012



Public Safety Interoperable  
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# Overview



- Minimum Equipment Standards for both VHF and UHF mobile and portable radio equipment were established by the SIEC in January 2007.
- In discussions at SIEC & Interoperable Channels Plan Working Group meetings, the general consensus was that the minimum standards for VHF and UHF equipment were still applicable and there was no need to change or strengthen them.
- At the Jan 11, 2012 SIEC meeting we presented the status of the Minimum Equipment Standards and ensuing discussion recommended adding 700/800 MHz equipment and combining VHF, UHF and 700/800 MHz equipment into one document.

# Approach



- Rather than include the SIEC intent and Homeland Security Grant requirements blended in with the Standard, we broke the document into separate Background and Standard sections
- Background Section:
  - Includes both the SIEC and PSCC to emphasize the legislative intent for “standards based system” to provide interoperability
  - Includes a reference to the Statewide Communications Interoperability Plan (SCIP) to show the connection to the overall plan
  - Includes the requirements for Department of Homeland Security grants and the need to regularly interact with federal agencies
  - Footnotes provide references for Office of Interoperability and Compatibility (OIC) grant guidance, a P-25 decision tree and the Public Safety Communications Research program’s P-25 test standards

# Standard Section



**STANDARD:** The following standards implement certain radio features, nationally recognized to promote and maintain a higher level of interoperable communications among and between public safety jurisdictions and disciplines.

## MOBILE – PORTABLES MINIMUM STANDARDS

| BAND    | MINIMUM CHANNEL  | CHANNEL DISPLAY   | FREQUENCY RANGE                | NARROWBAND CAPABLE | PROJECT 25 |
|---------|------------------|-------------------|--------------------------------|--------------------|------------|
| VHF     | 48 CH OR GREATER | 7 CHAR OR GREATER | 150 – 174 MHz                  | REQUIRED           | CAPABLE    |
| UHF     | 48 CH OR GREATER | 7 CHAR OR GREATER | 450 – 470 MHz                  | REQUIRED           | CAPABLE    |
| 700 MHz | 48 CH OR GREATER | 7 CHAR OR GREATER | 769 – 775 MHz<br>799 – 805 MHz | REQUIRED           | REQUIRED   |
| 800 MHz | 48 CH OR GREATER | 7 CHAR OR GREATER | 806 – 824 MHz<br>851 – 869 MHz | REQUIRED           | REQUIRED   |

# Discussion



- We plan to allow for 30-day comment period and then present to the SIEC approval. If approved, we will then present to the PSCC for approval.

Thank you!

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